Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended): An isolated nucleic acid encoding an estrogen-regulated unconventional myosin-related protein, said protein having at least one of the following characteristics:

(1) comprising at least ~~about~~ 70% amino acid sequence ~~similarity~~ identity to a sequence selected from the group consisting of SEQ ID NOs: 1, 4, and 6; or

(2) specifically binding to polyclonal antibodies generated against a polypeptide comprising an amino acid sequence selected from the group consisting of SEQ ID NOs: 1, 4 and 6.

Claim 2 (currently amended): The nucleic acid of claim 1, wherein said protein is at least ~~about 70%~~ 80% identical to a sequence selected from the group consisting of SEQ ID NOs:1, 4, and 6.

Claim 3 (original): The nucleic acid of claim 1, wherein said nucleic acid encodes a protein comprising an amino acid sequence selected from the group consisting of SEQ ID NOs: 1, 4 and 6.

Claim 4 (currently amended): The nucleic acid of claim 1, wherein said nucleic acid comprises a nucleotide sequence that is at least ~~about 70% similar~~ 80% identical to a sequence selected from the group consisting of SEQ ID NOs: 2, 3, 5, and 7.

Claim 5 (currently amended): The nucleic acid of claim 4, wherein said nucleic acid comprises a nucleotide sequence that is at least ~~about 70%~~ 90% identical to a sequence selected from the group consisting of SEQ ID NOs: 2, 3, 5, and 7.

Claim 6 (original): The nucleic acid of claim 4, wherein said nucleic acid comprises a nucleotide sequence selected from the group consisting of SEQ ID NOs: 2, 3, 5 and 7.

Claim 7 (currently amended): The nucleic acid of claim 1, wherein said nucleic acid hybridizes ~~under moderately stringent wash conditions~~ to a nucleic acid comprising a nucleotide sequence selected from the group consisting of SEQ ID NOs: 2, 3, 5 and 7, under hybridization conditions of 37°C in a solution comprising 40% formamide, 1 M NaCl, and 1% SDS, and wash conditions of 45°C in a solution comprising 1X SSC.

Claim 8 (currently amended): The nucleic acid of claim 1, wherein said nucleic acid hybridizes ~~under stringent wash conditions~~ to a nucleic acid comprising a nucleotide sequence selected from the group consisting of SEQ ID NOs: 2, 3, 5 and 7, under hybridization conditions of 42°C in a solution comprising 50% formamide, 5X SSC, and 1% SDS, and wash conditions of 65°C in a solution comprising 0.2X SSC.

Claim 9 (original): The nucleic acid of claim 1, wherein said nucleic acid is from a mouse.

Claim 10 (original): An expression cassette comprising the nucleic acid of claim 1.

Claim 11 (original): An isolated eukaryotic cell comprising the expression cassette of claim 10.

Claims 12-39 (canceled)

Claim 40 (new): The nucleic acid of claim 1, wherein said protein is at least 90% identical to a sequence selected from the group consisting of SEQ ID NOs:1, 4, and 6.

Claim 41 (new): The nucleic acid of claim 1, wherein said protein is at least 95% identical to a sequence selected from the group consisting of SEQ ID NOs:1, 4, and 6.

Claim 42 (new): The nucleic acid of claim 4, wherein said nucleic acid comprises a nucleotide sequence that is at least 95% identical to a sequence selected from the group consisting of SEQ ID NOs: 2, 3, 5, and 7.